



U.S. Department
of Transportation
**Federal Aviation
Administration**

New York Aircraft Certification Office

10 Fifth Street, 3rd Floor
Valley Stream, NY 11581

December 1, 1998
Revised January 27, 1999

Insight Avionics Inc.
P.O. Box 194,
Buffalo, NY 14205-0194

Dear Mr. Younquist:

The data and certification of conformance with the requirements off Subpart O of Part 21 of the Federal Aviation Regulations, and of TSO-C110a for your Strike Finder SF2000 Weather Detection System P/N 2000-021-(xxx) and Sensor(s) P/N's 2000-022 and J2000-024 forwarded with your letter dated March 12, 1997 have been found acceptable. The quality control procedures contained in your Quality Assurance Manual #19980109 Rev. 2, dated January 9, 1998 are considered adequate in accordance with FAR 21.143, and you are accordingly authorized to identify the aforementioned article with the applicable TSO-C110a marking, subject to the provisions and restrictions of FAR 21. This authorization is valid only at 1659 North Forest Road, Williamsville, New York 14221/P.O. Box 194, Buffalo, New York 14205-0194, and this office must be notified on any proposed relocation.

The following data pertinent to this authorization, will be kept on file at the New York Aircraft Certification Office of the FAA:

REVISED DATA:

1. Insight Avionics Inc., Letter dated March 12, 1997.
2. Statement of Compliance with the Federal Aviation Regulations, FAA Form 8110-3 dated July 3, 1997.
3. Master Drawing No. 2000-024, Rev. F, dated 05/05/97.
4. Strike Finder Digital Weather Avoidance User's Guide, Drawing No. 2000-01, Rev. 1.5, dated 11/15/91.

5. Strike Finder Installation Manual, Drawing No. 2000-10, Rev. 1.6, dated 12/5/95.
6. Interconnect Diagram, Drawing No. 2000-019, Rev. J, dated 9/11/90.
7. Display Identification Label, Drawing No. 2000-001, Rev. G, dated 9/7/90.
8. Sensor Identification Label, Drawing No. 2000-008 , Rev. F, dated 9/6/90.
9. The following drawings listed under Master Drawing No. 2000-024, Rev. F, have been revised to the revisions noted:

2000-003, Rev. H	2000-005, Rev. E	2000-006, Rev. F
2000-009, Rev. F	2000-010, Rev. D	2000-014, Rev. F
2000-015, Rev. C	2000-016, Rev. G	2000-017, Rev. H
2000-020, Rev. B	2000-021, Rev. C	2000-022, Rev. B
2000-023, Rev. H	2000-026, Rev. E	2000-027, Rev. E
2000-029, Rev. C	2000-030, Rev. C	

10. The following drawings have been added to the Master Drawing 2000-024:

Internal RBS Module Assembly, Drawing No. 2000-050, None
 External RBS Module Assembly, Drawing No. 2000-051, None
 RBS Housing, Drawing No. 2000-254, None
 RBS PC Board Assembly, Drawing No. 2000-251, Rev. A
 RBS Schematic, Drawing No. 2000-253, Rev. A
 SF2000 RBS Label, Drawing No. 2000-252, B

11. Strike Finder SF2000 Test Procedure 910419, Rev. B has been replaced by the following four test procedures:


Display Test Procedure 910809, Rev. C, dated 2/12/92
 Sensor Test Procedure 920205, None, dated 2/24/92
 System Test Procedure 940601, Rev. A, dated 5/31/94
 RBS Module Test Procedure 970123, None, dated 1/23/97

12. Two Documents are included to complete this change submission:

RBS Installation Instructions Document No. RB970305, None, dated 3/5/97
RBS Function and Operation Document No. RB970308, None, dated 3/8/97

A copy of the cited Quality Control Manual will be retained in the cognizant
Manufacturing Inspection District Office at Farmingdale New York.

Sincerely,


for Vito A. Pulera
Manager, New York Aircraft
Certification Office